

Table 1C
2014 Pregnancy Nutrition Surveillance ⁽¹⁾
Michigan
Summary of Demographic Indicators ⁽²⁾

Run Date: 05/12/2015

Total Records		Number	%	Source of Data			Number	%
Complete Records		49,115	74.5	WIC			65,945	100.0
Prenatal Records		4,099	6.2	Maternal Health			0	0.0
Postpartum Records		12,731	19.3	Other			0	0.0
Total Records Accepted		65,945		Total			65,945	100.0
Excluded Unknown:			0	0.0				

Race/Ethnic Distribution		Number	%	Age Distribution		Number	%	Education Distribution		Number	%	
White, Not Hispanic		36,734	56.0	< 15 Years		103	0.2	> High School		20,792	32.1	
Black, Not Hispanic		18,469	28.2	15 - 17 Years		2,219	3.4	High School		28,749	44.3	
Hispanic		6,400	9.8	18 - 19 Years		5,978	9.1	< High School		15,282	23.6	
American Indian/Alaska Native		230	0.4	20 - 29 Years		41,874	63.6	Total		64,823	100.0	
Asian/Pacific Islander		1,332	2.0	30 - 39 Years		14,552	22.1	Excluded Unknown:			1,122	1.7
Multiple Races		2,386	3.6	>= 40 Years		1,102	1.7					
All Other		0	0.0	Total		65,828	100.0					
Total		65,551	100.0	Excluded Unknown:			117	0.2				
Excluded Unknown:				390	0.6							

Poverty Level		Number	%	Program Participation (3)		Number	%	Migrant Status		Number	%	
0 - 50		22,058	41.5	WIC		53,214	100.0	Yes		508	0.8	
51 - 100		14,683	27.6	SNAP		53,141	54.8	No		65,437	99.2	
101 - 130		5,870	11.0	Medicaid		53,102	85.3	Total		65,945	100.0	
131 - 150		2,860	5.4	TANF		53,169	8.1	Excluded Unknown:			0	0.0
151 - 185		3,813	7.2	Excluded Unknown:								
186 - 200		1,129	2.1	WIC:		0	0.0					
> 200		2,458	4.6	SNAP:		0	0.0					
Adjunctive Eligibility		301	0.6	Medicaid:		0	0.0					
Total		53,172	100.0	TANF:		0	0.0					
Excluded Unknown:				12,811	19.4							

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Prenatal program participation

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 2C
2014 Pregnancy Nutrition Surveillance (1)
Michigan
Summary of Health Indicators

Run Date: 05/12/2015

Summary of Health Indicators (2)				
	Michigan Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Prepregnancy BMI (3)				
Underweight	56,540	4.3	225,301	4.2
Normal Weight	56,540	39.4	225,301	39.1
Overweight	56,540	24.8	225,301	25.6
Obese	56,540	31.5	225,301	31.1
Maternal Weight Gain (4)				
Less Than Ideal	45,714	17.2	147,514	21.2
Ideal	45,714	30.5	147,514	29.6
Greater Than Ideal	45,714	52.3	147,514	49.2
Anemia (Low Hb/Hct) (5)				
1st Trimester	22,822	10.1	61,967	6.0
2nd Trimester	18,757	15.4	58,548	8.4
3rd Trimester	9,959	39.6	54,827	26.6
Postpartum	12,485	28.7	38,129	29.4
Parity (6)				
0	65,098	37.3	197,091	29.2
1	65,098	29.6	197,091	32.7
2	65,098	17.8	197,091	21.3
>= 3	65,098	15.3	197,091	16.7
Interpregnancy Interval				
<= 6 Months	40,016	12.4	144,515	12.4
6 - <18 Months	40,016	26.6	144,515	24.2
>= 18 Months	40,016	61.0	144,515	63.4
Gestational Diabetes	61,037	6.7	86,686	7.6
Hypertension During Pregnancy	61,073	10.1	86,721	8.5

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

(6) Number of times a woman has given birth to an infant 20 or more weeks gestation

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 2C
2014 Pregnancy Nutrition Surveillance
Michigan
Summary of Health Indicators

(1)

Run Date: 05/12/2015

Summary of Health Indicators (2)				
	Michigan Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Medical Care				
1st Trimester	60,317	79.7	184,627	80.1
No Care	60,317	10.8	184,627	7.6
WIC Enrollment				
1st Trimester	64,954	35.7	236,180	25.7
2nd Trimester	64,954	29.7	236,180	26.5
3rd Trimester	64,954	16.0	236,180	26.0
Postpartum (3)	64,954	18.6	236,180	21.8
Prepregnancy Multivitamin Consumption (4)	50,917	19.5	73,678	21.4
Multivitamin Consumption During Pregnancy (5)	52,744	85.2	133,035	85.5
Smoking				
3 Months Prior to Pregnancy	60,217	32.0	236,215	28.4
During Pregnancy	52,767	18.6	222,971	22.3
Last 3 Months of Pregnancy	61,120	16.4	223,425	13.5
Postpartum	61,122	17.2	223,413	14.0
Smoking Changes (6)				
Quit Smoking by First Prenatal Visit	17,617	44.8	51,510	29.7
Quit Smoking by First Prenatal Visit and Stayed Off Cigarettes	16,301	39.4	43,436	26.2
Smoking in Household				
During Pregnancy	52,726	14.6	184,703	17.8
Postpartum	61,124	4.5	194,962	15.6
Drinking				
3 Months Prior to Pregnancy	60,009	21.3	236,073	12.9
Last 3 Months of Pregnancy	61,178	0.6	199,824	0.4

(1) Reporting period is January 1 through December 31
(2) Excludes records with unknown data errors.
(3) Women who initially enrolled in WIC during the postpartum period.
(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy, proxy for folic acid consumption.
(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.
(6) Among women who smoked 3 months prior to pregnancy.
* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 2C

2014

Pregnancy Nutrition Surveillance

(1)

Run Date: 05/12/2015

Michigan

Summary of Health Indicators

Summary of Health Indicators (2)				
	Michigan Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Birthweight (3)				
Very Low	57,572	1.3	129,862	1.1
Low	57,572	7.8	129,862	10.7
Normal	57,572	83.9	129,862	72.8
High	57,572	7.0	129,862	15.4
Preterm (4)	59,292	11.8	131,566	10.1
Full term Low Birth Weight (5)	50,471	3.8	116,273	3.5
Multiple Births	60,784	1.6	198,572	1.1
Breastfeeding				
Ever Breastfed	57,574	63.6	129,820	69.0

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Very low birth weight (<1500 g), low birth weight (1500 - <2500 g), normal birth weight (2500 - <4000 g), high birth weight (>4000 g).

(4) <37 weeks gestation.

(5) 37 or more weeks gestation <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 3C

2014 Pregnancy Nutrition Surveillance (1)

Michigan

Run Date: 05/12/2015

Comparison of Racial Ethnic Distribution by Contributor to Nation

Comparison of Racial and Ethnic Distribution (2)								
	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
Michigan	65,941	55.7	28.0	9.7	0.4	2.0	3.6	0.6
Nation (Prior Year)	242,845	52.0	26.8	14.4	0.6	3.0	2.8	0.3

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 4C

2014 Pregnancy Nutrition Surveillance

(1)

Run Date:

05/12/2015

Michigan

Comparison of Age Distribution by Contributor to Nation

Comparison of Age Distribution (2)								
	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Michigan	65,945	0.2	3.4	9.1	63.5	22.1	1.7	0.2
Nation (Prior Year)	245,916	0.2	4.1	10.4	61.6	22.0	1.6	0.1

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 5C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Comparison of Maternal Health Indicators by Contributor to Nation

Comparison of Maternal Health Indicators (2)														
	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under-weight	Over-weight		< Ideal	> Ideal		3rd Trimester	Postpartum						
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
Michigan	56,540	4.3	56.3	45,714	17.2	52.3	9,959	39.6	12,485	28.7	61,037	6.7	61,073	10.1
Nation (Prior Year)	225,301	4.2	56.7	147,514	21.2	49.2	54,827	26.6	38,129	29.4	86,686	7.6	86,721	8.5

(1) Reporting period is January 1 through December 31
(2) Excludes records with unknown data errors.
(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).
(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).
(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.
* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 6C
2014 Pregnancy Nutrition Surveillance⁽¹⁾
Michigan

Run Date: 05/12/2015

Comparison of Maternal Behavioral Indicators by Contributor to Nation

Comparison of Maternal Behavioral Indicators ⁽²⁾									
	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prenpregnancy ⁽³⁾		During Pregnancy ⁽⁴⁾	
	Number	%	%	Number	%	Number	%	Number	%
Michigan	60,317	79.7	10.8	64,954	35.7	50,917	19.5	52,744	85.2
Nation (Prior Year)	184,627	80.1	7.6	236,180	25.7	73,678	21.4	133,035	85.5

(1) Reporting period is January 1 through December 31.
(2) Excludes records with unknown data or errors.
(3) Woman who reported taking a multivitamin four times a weeks or more in the month before pregnancy: proxy for folic acid consumption.
(4) Pregnant women who reported tkaing a multivitamin in the past month; proxy for prenatal iron consumption.
* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 7C
2014 Pregnancy Nutrition Surveillance (1)
Michigan
Comparison of Smoking Indicators by Contributor to Nation

Run Date: 05/12/2015

Comparison of Smoking Indicators ⁽²⁾										
	Smoking		Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household						
	3 Months Prior to Pregnancy	Last 3 Months of Pregnancy		Prenatal	Postpartum					
	Number	%	Number	%	Number	%				
Michigan	60,217	32.0	61,120	16.4	16,301	39.4	52,726	14.6	61,124	4.5
Nation (Prior Year)	236,215	28.4	223,425	13.5	43,436	26.2	184,703	17.8	194,962	15.6

(1) Reporting period is January 1 through December 31.
(2) Excludes records with unknown data or errors.
(3) Among women who smoked 3 months prior to pregnancy.
* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 8C

2014 Pregnancy Nutrition Surveillance⁽¹⁾

Michigan

Run Date: 05/12/2015

Comparison of Infant Health Indicators by Contributor to Nation

Comparison of Infant Health Indicators ⁽²⁾									
	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)	High (4)							
	Number	%	%	Number	%	Number	%	Number	%
Michigan	57,572	9.0	7.0	59,292	11.8	50,471	3.8	57,574	63.6
Nation (Prior Year)	129,862	11.8	15.4	131,566	10.1	116,273	3.5	129,820	55.4

(1) Reporting period is January 1 through December 31
(2) Excludes records with unkown data errors.
(3) <2500 g.
(4) >4000 g.
(5) <37 weeks gestation.
(6) 37 or more weeks gestation and <2500 g.
* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 9C
2014 Pregnancy Nutrition Surveillance ⁽¹⁾
Michigan

Run Date: 05/12/2015

Maternal Health Indicators by Race/Ethnicity, Age, or Education

Maternal Health Indicators by Race/Ethnicity, Age, or Education														(2)
	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				Gestational Diabetes	Hypertension During Pregnancy		
	Under- Weight	Over- Weight	< Ideal	>Ideal	3rd Trimester		Postpartum							
					Number	%	Number	%	Number	%			Number	%
Race/Ethnicity														
White, Not Hispanic	31,771	4.7	53.8	25,693	15.5	53.8	5,165	30.6	7,430	22.2	34,121	6.6	34,149	9.4
Black, Not Hispanic	16,219	3.9	60.9	13,406	18.5	52.2	3,417	54.7	3,075	45.9	17,344	5.8	17,351	12.6
Hispanic	5,293	2.2	62.5	4,053	21.9	46.0	810	33.7	1,170	25.3	5,912	9.2	5,914	8.0
American Indian/Alaska Native	191	4.7	53.4	139	23.7	55.4	21	*	50	*	204	9.8	205	9.8
Asian/Pacific Islander	986	9.0	32.0	785	27.1	30.7	187	34.8	289	26.3	1,252	12.9	1,251	4.5
Multiple Races	2,069	4.7	55.8	1,630	16.9	54.5	358	42.5	470	30.0	2,197	5.8	2,196	9.5
All Other/Unknown	7	*	*	5	*	*	0	*	1	*	3	*	3	*
Total	56,540	4.3	56.3	45,714	17.2	52.3	9,959	39.6	12,485	28.7	61,037	6.7	61,073	10.1
Age														
< 15 Years	73	*	*	58	*	*	22	*	3	*	94	*	94	*
15 - 17 Years	1,957	7.9	36.5	1,591	18.1	53.2	357	47.1	318	34.9	2,068	2.2	2,070	10.1
18 - 19 Years	5,228	7.6	43.0	4,183	17.6	53.2	913	41.3	1,004	32.2	5,494	2.7	5,500	9.7
20 - 29 Years	36,100	4.4	55.4	29,316	16.8	52.6	6,526	39.2	7,875	28.7	38,904	5.3	38,913	9.1
30 - 39 Years	12,210	2.1	67.1	9,847	17.9	51.4	2,000	38.6	3,019	26.8	13,425	12.4	13,442	12.6
>= 40 Years	885	2.0	72.9	648	22.1	45.8	125	38.4	248	26.2	943	18.9	945	16.8
Unknown	87	*	*	71	*	*	16	*	18	*	109	5.5	109	7.3
Total	56,540	4.3	56.3	45,714	17.2	52.3	9,959	39.6	12,485	28.7	61,037	6.7	61,073	10.1
Education														
< High School	12,904	5.5	52.6	9,986	20.1	49.8	2,354	45.2	2,516	33.2	14,107	6.1	14,119	9.1
High School	25,143	4.5	56.4	20,523	17.3	52.2	4,309	39.5	5,261	29.0	26,961	6.4	26,981	10.1
> High School	17,981	3.2	59.1	14,797	15.1	54.3	3,192	35.7	4,542	25.5	19,299	7.6	19,304	10.8
Excluded Unknown	512	4.9	52.3	408	24.0	44.6	104	34.6	166	37.3	670	7.8	669	8.5
Total	56,540	4.3	56.3	45,714	17.2	52.3	9,959	39.6	12,485	28.7	61,037	6.7	61,073	10.1

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 10C
2014 Pregnancy Nutrition Surveillance (1)

Run Date: 05/12/2015

Michigan

Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education

Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education (2)								
	Medical Care			WIC Enrollment		Multivitamin Consumption		
	1st Trimester	No Care		1st Trimester		Prepregnancy (3)	During Pregnancy (4)	
	Number	%	%	Number	%	Number	%	Number
Race/Ethnicity								
White, Not Hispanic	33,737	81.3	12.3	36,233	39.3	29,786	22.4	29,669
Black, Not Hispanic	17,232	78.0	6.4	18,263	26.2	13,112	14.1	14,485
Hispanic	5,752	74.6	15.5	6,304	42.3	4,928	17.3	5,397
American Indian/Alaska Native	207	80.7	11.6	227	46.3	189	29.6	197
Asian/Pacific Islander	1,213	82.8	10.1	1,304	33.8	1,043	16.2	1,019
Multiple Races	2,170	78.8	11.5	2,360	37.4	1,853	17.9	1,973
All Other/Unknown	2	*	*	259	6.6	3	*	0
Total	60,317	79.7	10.8	64,954	35.7	50,917	19.5	52,744
Age								
< 15 Years	93	*	*	99	*	73	*	84
15 - 17 Years	2,039	66.9	14.1	2,190	37.7	1,760	9.0	1,943
18 - 19 Years	5,427	76.0	12.5	5,887	38.3	4,675	9.9	5,143
20 - 29 Years	38,455	80.2	10.7	41,272	34.5	31,813	18.8	33,353
30 - 39 Years	13,266	81.9	10.2	14,310	37.4	11,616	26.7	11,295
>= 40 Years	932	79.1	10.3	1,081	38.5	884	26.5	843
Unknown	105	85.7	7.6	115	35.7	96	*	83
Total	60,317	79.7	10.8	64,954	35.7	50,917	19.5	52,744
Education								
< High School	13,848	73.7	12.2	15,065	35.9	11,043	12.6	12,491
High School	26,642	79.5	11.0	28,394	36.6	22,140	17.8	23,368
> High School	19,218	84.2	9.6	20,524	34.6	17,141	26.4	16,367
Excluded Unknown	609	80.3	12.0	971	26.1	593	13.7	518
Total	60,317	79.7	10.8	64,954	35.7	50,917	19.5	52,744

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for behavioral indicators, and data with errors for behavioral and demographic indicators.

(3) Woman who reported taking a multivitamin four a weeks or more in the month before pregnancy. proxy for folic acid consumption.

(4) Pregnant women who reported tkaing a multivitamin in the past month; proxy for prenatal iron consumption.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 11C
2014 Pregnancy Nutrition Surveillance (1)
Michigan
Smoking Indicators by Race/Ethnicity, Age, or Education

Run Date: 05/12/2015

Comparison of Smoking Indicators (2)										
	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	%	Number	%	Number	%	Number	%	Number	%
Race/Ethnicity										
White, Not Hispanic	34,182	39.5	34,171	22.0	11,369	34.4	29,651	15.1	34,175	4.0
Black, Not Hispanic	16,491	23.0	17,359	8.7	3,238	54.8	14,478	16.4	17,360	6.2
Hispanic	5,895	15.6	5,918	6.2	795	52.3	5,406	7.2	5,921	2.3
American Indian/Alaska Native	213	45.5	206	32.5	89	*	197	22.3	205	11.2
Asian/Pacific Islander	1,253	3.8	1,259	1.4	39	*	1,020	3.7	1,255	1.0
Multiple Races	2,176	41.0	2,200	23.1	770	35.6	1,970	17.6	2,201	5.6
All Other/Unknown	3	*	3	*	0	*	0	*	3	*
Total	60,217	32.0	61,120	16.4	16,301	39.4	52,726	14.6	61,124	4.5
Race/Ethnicity										
< 15 Years	101	6.9	94	*	8	*	83	*	94	*
15 - 17 Years	2,144	22.7	2,074	8.8	448	51.6	1,943	28.1	2,073	8.9
18 - 19 Years	5,645	35.5	5,500	14.5	1,759	48.4	5,138	25.2	5,503	7.2
20 - 29 Years	37,715	33.5	38,949	17.1	10,818	39.4	33,337	14.0	38,946	4.3
30 - 39 Years	13,462	28.8	13,447	16.5	3,105	32.9	11,297	9.4	13,453	3.4
>= 40 Years	1,044	21.5	947	12.2	149	26.2	844	9.1	946	3.4
Unknown	106	18.9	109	11.0	14	*	84	*	109	4.6
Total	60,217	32.0	61,120	16.4	16,301	39.4	52,726	14.6	61,124	4.5
Race/Ethnicity										
< High School	13,631	39.4	14,118	23.3	4,569	31.1	12,495	19.4	14,133	6.4
High School	26,382	34.8	26,985	17.6	7,852	39.6	23,350	15.2	26,986	4.6
> High School	19,537	23.5	19,345	9.9	3,782	48.8	16,361	10.0	19,335	2.9
Excluded Unknown	667	17.8	672	9.7	98	*	520	9.4	670	4.2
Total	60,217	32.0	61,120	16.4	16,301	39.4	52,726	14.6	61,124	4.5

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for smoking indicators, and data with errors for smoking and demographic indicators.

(3) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 12C
2014 Pregnancy Nutrition Surveillance (1)

Run Date: 05/12/2015

Michigan
Infant Health Indicators by Race/Ethnicity, Age, or Education

Infant Health Indicators by Race/Ethnicity, Age, or Education (2)									
	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)		High (4)						
	Number	%	%	Number	%	Number	%	Number	%
Race/Ethnicity									
White, Not Hispanic	32,113	7.4	8.6	33,081	10.4	28,601	3.0	32,154	68.8
Black, Not Hispanic	16,556	13.1	3.9	16,994	14.7	14,036	5.7	16,472	50.5
Hispanic	5,500	6.3	8.0	5,671	11.4	4,837	2.6	5,541	69.1
American Indian/Alaska Native	183	6.0	12.6	194	13.9	157	3.8	182	67.6
Asian/Pacific Islander	1,153	10.5	5.0	1,206	10.9	1,017	6.0	1,170	73.2
Multiple Races	2,060	8.9	6.7	2,140	11.4	1,817	3.8	2,048	65.5
All Other/Unknown	3	*	*	2	*	2	*	3	*
Total	57,572	9.0	7.0	59,292	11.8	50,471	3.8	57,574	63.6
Age									
< 15 Years	83	*	*	89	*	68	*	84	*
15 - 17 Years	1,979	8.9	4.1	2,040	13.3	1,700	4.2	1,978	57.6
18 - 19 Years	5,233	8.1	5.5	5,376	11.6	4,589	4.5	5,240	63.1
20 - 29 Years	36,880	7.3	6.8	37,954	10.9	32,677	3.7	36,846	64.0
30 - 39 Years	12,471	8.5	8.8	12,865	14.0	10,662	3.8	12,484	63.8
>= 40 Years	828	12.2	8.7	863	16.2	691	6.4	840	61.5
Unknown	98	*	*	105	15.2	84	*	102	77.5
Total	57,572	9.0	7.0	59,292	11.8	50,471	3.8	57,574	63.6
Education									
< High School	13,095	9.2	5.4	13,686	13.2	11,259	4.9	13,161	51.2
High School	25,461	7.6	7.0	26,200	11.6	22,394	3.8	25,460	61.6
> High School	18,413	7.0	8.3	18,767	11.0	16,296	3.1	18,331	75.1
Excluded Unknown	603	8.0	6.5	639	12.5	522	4.0	622	70.6
Total	57,572	9.0	7.0	59,292	11.8	50,471	3.8	57,574	63.6

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 13C
2014 Pregnancy Nutrition Surveillance ⁽¹⁾
Michigan

Run Date: 05/12/2015

Maternal Weight Gain and Birth Outcomes by Select Health Indicators

Maternal Weight Gain and Birth Outcomes by Select Health Indicators ⁽²⁾										
	Weight Gain ⁽³⁾			Birthweight			Preterm ⁽⁶⁾		Full Term LBW ⁽⁷⁾	
	< Ideal		> Ideal	Low ⁽⁴⁾		High ⁽⁵⁾				
	Number	%	%	Number	%	%	Number	%	Number	%
Prepregnancy BMI										
Underweight	2,014	31.1	25.5	2,124	14.6	1.6	2,192	14.9	1,802	8.2
Normal Weight	18,590	22.0	42.3	19,541	10.0	4.9	20,137	11.8	17,144	4.5
Overweight	11,401	9.6	63.9	12,378	8.0	7.4	12,716	11.0	10,968	3.3
Obese	13,709	15.2	60.1	15,750	8.0	9.6	16,106	12.1	13,752	2.7
Weight Gain										
< Ideal	-	-	-	7,255	15.5	2.6	7,491	16.6	6,036	6.7
Ideal	-	-	-	13,343	9.5	4.5	13,704	11.9	11,701	4.2
> Ideal	-	-	-	23,104	6.6	9.9	23,570	9.9	20,651	2.7
Smoking During Pregnancy										
Smokers	6,783	18.7	51.0	8,213	11.6	4.5	8,578	12.4	7,177	6.3
Non-Smokers	29,181	16.6	52.9	37,568	7.6	7.9	38,598	11.1	33,262	3.1

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 14C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Racial Ethnic Distribution

Summary of Trends in Racial and Ethnic Distribution (2)								
Year	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
2014	65,941	55.7	28.0	9.7	0.4	2.0	3.6	0.6
2013	67,256	55.5	28.3	9.9	0.4	2.0	3.5	0.6
2012	67,977	56.2	27.5	10.0	0.4	1.9	3.4	0.6
2011	68,267	57.0	27.3	10.0	0.4	1.7	2.9	0.6
2010	68,559	56.7	27.5	10.4	0.3	1.7	2.6	0.7

(1) Reporting period is January 1 through December 31
(2) Excludes records with unknown data errors.
* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 15C
2014 Pregnancy Nutrition Surveillance (1)
Michigan
Summary of Trends in Age Distribution

Run Date: 05/12/2015

Summary of Trends in Age Distribution (2)								
Year	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
2014	65,945	0.2	3.4	9.1	63.5	22.1	1.7	0.2
2013	67,261	0.2	3.9	9.8	63.1	21.2	1.6	0.2
2012	67,977	0.2	4.5	10.7	62.2	20.5	1.5	0.3
2011	68,267	0.2	4.9	11.5	61.7	19.9	1.5	0.3
2010	68,559	0.2	5.6	12.6	60.6	19.2	1.4	0.4

(1) Reporting period is January 1 through December 31
(2) Excludes records with unknown data errors.
* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 16C

2014 Pregnancy Nutrition Surveillance

Michigan

Summary of Trends in Maternal Health Indicators

(1)

Run Date: 05/12/2015

Summary of Trends in Maternal Health Indicators (2)										
Year	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
	Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
	Number	%	%	Number	%	%	Number	%	Number	%
2014	56,540	4.3	56.3	45,714	17.2	52.3	9,959	39.6	12,485	28.7
2013	58,063	4.3	56.0	46,728	16.9	52.4	9,903	38.9	11,995	28.7
2012	61,321	4.4	54.9	48,759	17.4	51.3	9,736	38.4	12,636	27.9
2011	62,449	4.4	54.4	50,780	17.6	51.0	10,073	35.7	13,689	27.5
2010	62,806	4.3	54.7	47,992	18.1	50.9	9,772	35.9	14,361	27.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9). overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 17C
2014 Pregnancy Nutrition Surveillance (1)
Michigan
Summary of Trends in Maternal Behavioral Indicators

Run Date: 05/12/2015

Summary of Maternal Behavioral Indicators (2)					
Year	Medical Care			WIC Enrollment	
	1st Trimester		No Care	1st Trimester	
	Number	%	%	Number	%
2014	60,317	79.7	10.8	64,954	35.7
2013	61,039	79.9	10.5	66,266	36.9
2012	61,308	79.8	10.6	67,036	38.0
2011	60,703	81.1	9.2	67,132	36.7
2010	58,935	80.9	8.9	67,582	37.6

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Prenatal program participation

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 18C
2014 Pregnancy Nutrition Surveillance (1)

Run Date: 05/12/2015

Michigan
Summary of Trends in Smoking Indicators

Summary of Trends in Smoking Indicators ⁽²⁾										
Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽³⁾		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	%	Number	%	Number	%	Number	%	Number	%
2014	60,217	32.0	61,120	16.4	16,301	39.4	52,726	14.6	61,124	4.5
2013	62,025	32.3	61,793	16.8	18,044	36.4	54,649	15.1	61,835	5.0
2012	63,072	32.4	61,988	16.9	16,769	38.6	55,380	16.0	61,994	4.9
2011	64,048	32.8	61,427	16.9	16,751	39.5	55,786	16.8	61,403	5.5
2010	64,920	32.9	59,649	17.3	16,257	37.9	56,370	17.9	59,648	6.1

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Prenatal program participation

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 19C
2014 Pregnancy Nutrition Surveillance
Michigan
Summary of Trends in Infant Health Indicators

(1)

Run Date:

05/12/2015

Summary of Trends in Infant Health Indicators ⁽²⁾									
Year	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)	High (4)							
	Number	%	%	Number	%	Number	%	Number	%
2014	57,572	9.0	7.0	59,292	11.8	50,471	3.8	57,574	63.6
2013	58,028	8.7	7.2	59,882	11.5	50,981	3.7	58,101	63.1
2012	58,368	8.8	7.3	60,111	12.1	50,877	3.7	58,753	61.2
2011	58,040	8.6	7.1	59,523	11.7	50,780	3.6	58,401	60.5
2010	56,075	8.5	7.2	57,799	12.0	48,927	3.6	56,127	59.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 20C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Maternal Health Indicators by Race/Ethnicity

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)										
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)		
		Under-Weight		Over-Weight	< Ideal		>Ideal	3rd Trimester		Postpartum
		Number	%	%	Number	%	%	Number	%	Number %
White, Not Hispanic										
	2014	31,771	4.7	53.8	25,693	15.5	53.8	5,165	30.6	7,430 22.2
	2013	32,226	4.6	53.6	25,830	15.1	53.9	5,130	28.8	7,346 21.8
	2012	34,970	4.9	52.5	27,986	15.8	52.6	5,083	30.1	7,816 21.4
	2011	35,938	4.7	52.0	29,299	16.4	52.3	5,356	25.9	8,181 20.2
Black, Not Hispanic										
	2014	16,219	3.9	60.9	13,406	18.5	52.2	3,417	54.7	3,075 45.9
	2013	16,964	3.9	60.3	13,962	18.4	53.2	3,403	54.8	2,891 45.5
	2012	17,110	3.9	59.6	13,731	18.6	51.7	3,333	52.3	3,057 43.8
	2011	17,304	3.9	59.0	14,259	18.4	51.5	3,424	52.4	3,756 42.7

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 20C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Maternal Health Indicators by Race/Ethnicity

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)										
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)		
		Under- Weight	Over- Weight		< Ideal	>Ideal		3rd Trimester	Postpartum	
		Number	%	%	Number	%	%	Number	%	Number %
Hispanic	2014	5,293	2.2	62.5	4,053	21.9	46.0	810	33.7	1,170 25.3
	2013	5,481	2.6	62.2	4,256	21.1	44.9	796	38.2	1,000 31.7
	2012	5,786	2.3	61.1	4,353	22.9	44.5	727	36.9	942 29.3
	2011	6,083	2.6	60.1	4,770	22.1	44.0	777	33.7	1,004 30.1
American Indian/Alaska Native	2014	191	4.7	53.4	139	23.7	55.4	21	*	50 *
	2013	232	3.4	54.3	169	16.6	51.5	22	*	35 *
	2012	234	3.8	56.8	171	12.9	50.3	29	*	50 *
	2011	242	3.7	54.1	200	15.5	49.0	42	*	56 *

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 20C
2014 Pregnancy Nutrition Surveillance (1)
Michigan
Summary of Trends in Maternal Health Indicators by Race/Ethnicity

Run Date: 05/12/2015

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
		Under-Weight		Over-Weight	< Ideal		>Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
Asian/Pacific Islander											
	2014	986	9.0	32.0	785	27.1	30.7	187	34.8	289	26.3
	2013	1,094	10.1	29.6	865	27.1	31.0	185	28.6	287	22.6
	2012	1,117	9.8	30.3	858	26.1	32.9	192	30.2	282	27.3
	2011	1,015	10.0	30.2	766	25.7	31.7	170	25.9	258	24.0
Multiple Races											
	2014	2,069	4.7	55.8	1,630	16.9	54.5	358	42.5	470	30.0
	2013	2,056	4.8	54.8	1,639	16.3	52.7	365	39.5	435	32.6
	2012	2,095	4.1	53.2	1,656	15.0	53.9	370	35.1	488	30.9
	2011	1,856	5.1	51.9	1,479	16.2	53.3	304	34.2	432	32.4

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 20C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Maternal Health Indicators by Race/Ethnicity

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
		Under- Weight		Over- Weight	< Ideal		>Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
All Other/Unknown											
	2014	7	*	*	5	*	*	0	*	1	*
	2013	7	*	*	4	*	*	1	*	1	*
	2012	9	*	*	4	*	*	2	*	1	*
	2011	11	*	*	7	*	*	0	*	2	*
Total All Race/Ethnic Groups											
	2014	56,540	4.3	56.3	45,714	17.2	52.3	9,959	39.6	12,485	28.7
	2013	58,063	4.3	56.0	46,728	16.9	52.4	9,903	38.9	11,995	28.7
	2012	61,321	4.4	54.9	48,759	17.4	51.3	9,736	38.4	12,636	27.9
	2011	62,449	4.4	54.4	50,780	17.6	51.0	10,073	35.7	13,689	27.5

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 21C
2014 Pregnancy Nutrition Surveillance ⁽¹⁾
Michigan

Run Date: 05/12/2015

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
White, Not Hispanic						
	2014	33,737	81.3	12.3	36,233	39.3
	2013	33,997	81.9	11.7	36,816	40.7
	2012	34,701	81.8	11.9	37,770	41.7
	2011	34,824	82.8	10.8	38,317	41.2
Black, Not Hispanic						
	2014	17,232	78.0	6.4	18,263	26.2
	2013	17,561	77.8	6.4	18,797	26.9
	2012	17,091	77.7	6.0	18,476	27.9
	2011	16,787	78.9	4.7	18,374	25.0

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 21C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Hispanic	2014	5,752	74.6	15.5	6,304	42.3
	2013	5,889	74.3	16.0	6,509	45.4
	2012	6,064	74.2	16.8	6,690	47.3
	2011	6,093	77.9	12.8	6,703	44.9
American Indian/Alaska Native	2014	207	80.7	11.6	227	46.3
	2013	217	81.1	10.1	243	49.8
	2012	219	81.3	8.2	257	38.9
	2011	224	82.1	8.5	257	46.3

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 21C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Asian/Pacific Islander						
	2014	1,213	82.8	10.1	1,304	33.8
	2013	1,247	83.6	8.3	1,343	35.9
	2012	1,152	80.9	9.9	1,295	33.0
	2011	1,015	83.8	7.4	1,138	34.0
Multiple Races						
	2014	2,170	78.8	11.5	2,360	37.4
	2013	2,121	78.9	10.7	2,304	37.4
	2012	2,076	78.8	10.7	2,259	39.0
	2011	1,756	79.0	11.1	1,965	39.0

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 21C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
All Other/Unknown	2014	2	*	*	259	6.6
	2013	3	*	*	249	4.0
	2012	5	*	*	289	2.8
	2011	4	*	*	378	2.1
Total All Race/Ethnic Groups	2014	60,317	79.7	10.8	64,954	35.7
	2013	61,039	79.9	10.5	66,266	36.9
	2012	61,308	79.8	10.6	67,036	38.0
	2011	60,703	81.1	9.2	67,132	36.7

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 22C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Smoking Indicators by Race/Ethnicity

Summary of Trends in Smoking Indicators by Race/Ethnicity ⁽²⁾											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽³⁾		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
White, Not Hispanic											
	2014	34,182	39.5	34,171	22.0	11,369	34.4	29,651	15.1	34,175	4.0
	2013	34,978	40.0	34,387	22.8	12,572	31.8	30,488	15.7	34,405	4.3
	2012	36,045	40.6	35,085	23.0	12,012	34.6	31,348	16.9	35,073	4.6
	2011	37,127	41.1	35,209	22.6	12,222	35.6	32,174	17.8	35,185	5.2
Black, Not Hispanic											
	2014	16,491	23.0	17,359	8.7	3,238	54.8	14,478	16.4	17,360	6.2
	2013	17,239	22.4	17,682	8.6	3,489	49.8	15,242	16.9	17,709	7.5
	2012	17,145	21.8	17,193	8.8	3,024	50.9	15,010	17.8	17,222	6.6
	2011	17,260	21.9	16,912	9.1	2,936	52.3	14,856	18.4	16,914	7.1

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 22C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Smoking Indicators by Race/Ethnicity

Summary of Trends in Smoking Indicators by Race/Ethnicity ⁽²⁾											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽³⁾		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
Hispanic											
2014		5,895	15.6	5,918	6.2	795	52.3	5,406	7.2	5,921	2.3
2013		6,121	16.7	6,088	6.7	958	49.0	5,663	7.5	6,085	2.2
2012		6,291	16.0	6,212	6.1	867	53.5	5,851	7.1	6,200	2.3
2011		6,421	15.0	6,269	5.6	823	55.4	5,923	7.7	6,261	3.0
American Indian/Alaska Native											
2014		213	45.5	206	32.5	89	*	197	22.3	205	11.2
2013		232	52.2	217	34.6	117	21.4	211	20.4	214	8.4
2012		235	51.9	216	31.5	98	*	212	17.5	217	9.7
2011		247	53.0	221	37.6	106	25.5	226	18.1	223	7.2

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 22C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Smoking Indicators by Race/Ethnicity

Summary of Trends in Smoking Indicators by Race/Ethnicity ⁽²⁾											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽³⁾		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
Asian/Pacific Islander											
2014		1,253	3.8	1,259	1.4	39	*	1,020	3.7	1,255	1.0
2013		1,293	5.5	1,264	1.3	64	*	1,084	3.0	1,265	1.6
2012		1,237	4.4	1,182	0.9	42	*	1,026	3.5	1,181	1.1
2011		1,110	4.7	1,037	1.8	41	*	935	5.2	1,034	2.3
Multiple Races											
2014		2,176	41.0	2,200	23.1	770	35.6	1,970	17.6	2,201	5.6
2013		2,154	42.9	2,147	24.1	842	33.4	1,956	20.2	2,149	6.5
2012		2,111	40.6	2,095	22.7	725	34.8	1,928	18.9	2,096	5.7
2011		1,878	42.1	1,774	24.3	623	35.0	1,672	23.3	1,781	7.1

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 22C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Smoking Indicators by Race/Ethnicity

Summary of Trends in Smoking Indicators by Race/Ethnicity ⁽²⁾												
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes ⁽³⁾		Smoking in Household				
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum		
		Number	%	Number	%	Number	%	Number	%	Number	%	
All Other/Unknown		2014	3	*	3	*	0	*	0	*	3	*
		2013	4	*	3	*	0	*	1	*	3	*
		2012	8	*	5	*	1	*	5	*	5	*
		2011	5	*	5	*	0	*	0	*	5	*
Total All Race/Ethnic Groups		2014	60,217	32.0	61,120	16.4	16,301	39.4	52,726	14.6	61,124	4.5
		2013	62,025	32.3	61,793	16.8	18,044	36.4	54,649	15.1	61,835	5.0
		2012	63,072	32.4	61,988	16.9	16,769	38.6	55,380	16.0	61,994	4.9
		2011	64,048	32.8	61,427	16.9	16,751	39.5	55,786	16.8	61,403	5.5

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 23C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Infant Health Indicators by Race/Ethnicity

Summary of Trends in Infant Health Indicators by Race/Ethnicity ⁽²⁾										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
White, Not Hispanic										
	2014	32,113	7.4	8.6	33,081	10.4	28,601	3.0	32,154	68.8
	2013	32,152	7.2	8.9	33,207	9.9	28,774	3.0	32,243	68.9
	2012	32,941	7.2	8.9	33,927	10.5	29,275	3.0	33,177	66.8
	2011	33,198	7.0	8.6	34,052	10.1	29,612	2.8	33,409	65.9
Black, Not Hispanic										
	2014	16,556	13.1	3.9	16,994	14.7	14,036	5.7	16,472	50.5
	2013	16,803	12.2	3.8	17,344	14.6	14,251	5.4	16,733	49.5
	2012	16,377	12.7	3.8	16,849	15.7	13,690	5.3	16,429	47.6
	2011	16,193	12.7	4.1	16,543	15.1	13,609	5.5	16,250	47.5

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 23C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Infant Health Indicators by Race/Ethnicity

Summary of Trends in Infant Health Indicators by Race/Ethnicity (2)										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
Hispanic										
	2014	5,500	6.3	8.0	5,671	11.4	4,837	2.6	5,541	69.1
	2013	5,665	6.9	8.3	5,812	11.8	4,956	2.8	5,696	67.2
	2012	5,766	6.5	8.5	5,924	11.2	5,068	2.6	5,809	64.6
	2011	5,821	6.4	7.6	6,001	11.8	5,084	2.7	5,881	62.9
American Indian/Alaska Native										
	2014	183	6.0	12.6	194	13.9	157	3.8	182	67.6
	2013	193	3.6	13.0	200	11.5	170	1.2	193	63.7
	2012	202	5.9	11.4	211	10.0	180	2.2	201	71.1
	2011	202	6.4	14.4	206	10.2	179	3.4	205	65.4

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 23C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Page: 36
Run Date: 05/12/2015

Summary of Trends in Infant Health Indicators by Race/Ethnicity

Summary of Trends in Infant Health Indicators by Race/Ethnicity (2)										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
Asian/Pacific Islander										
	2014	1,153	10.5	5.0	1,206	10.9	1,017	6.0	1,170	73.2
	2013	1,187	7.9	3.8	1,218	11.2	1,048	3.6	1,200	73.4
	2012	1,118	10.6	4.4	1,154	12.2	977	6.3	1,125	72.4
	2011	953	9.3	3.6	999	12.3	825	5.2	971	71.9
Multiple Races										
	2014	2,060	8.9	6.7	2,140	11.4	1,817	3.8	2,048	65.5
	2013	2,021	8.9	6.4	2,094	11.4	1,777	3.9	2,029	66.3
	2012	1,959	9.4	6.8	2,041	13.2	1,682	3.6	1,970	65.0
	2011	1,669	8.5	6.5	1,717	10.8	1,467	3.4	1,681	64.4

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 23C
2014 Pregnancy Nutrition Surveillance (1)
Michigan

Run Date: 05/12/2015

Summary of Trends in Infant Health Indicators by Race/Ethnicity

Summary of Trends in Infant Health Indicators by Race/Ethnicity ⁽²⁾										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
All Other/Unknown										
	2014	3	*	*	2	*	2	*	3	*
	2013	3	*	*	2	*	2	*	3	*
	2012	5	*	*	5	*	5	*	42	*
	2011	4	*	*	5	*	4	*	4	*
Total All Race/Ethnic Groups										
	2014	57,572	9.0	7.0	59,292	11.8	50,471	3.8	57,574	63.6
	2013	58,028	8.7	7.2	59,882	11.5	50,981	3.7	58,101	63.1
	2012	58,368	8.8	7.3	60,111	12.1	50,877	3.7	58,753	61.2
	2011	58,040	8.6	7.1	59,523	11.7	50,780	3.6	58,401	60.5

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions